

1. Record Nr.	UNISA996218569103316
Titolo	Asian and African studies // Department of Oriental Studies of the Slovak Academy of Sciences Bratislava
Pubbl/distr/stampa	Bratislava : , : Vydavateľstvo Slovenskej akadémie vied, , 1965- Bratislava : , : Institute of Oriental and African Studies, Slovak Academy of Sciences
ISSN	2585-8793
Descrizione fisica	1 online resource
Disciplina	950/.05
Soggetti	Education Afrikanistik Orientalistik Zeitschrift Periodicals Periodicals. Asia Study and teaching Periodicals Africa Study and teaching Periodicals Asia Periodicals Africa Periodicals Africa Asia
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Refereed/Peer-reviewed

2. Record Nr.	UNINA9910627260903321
Titolo	Biodiversity, Functional Ecosystems and Sustainable Food Production // edited by Charis M. Galanakis
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	9783031074349 9783031074332
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (358 pages)
Disciplina	631.58
Soggetti	Biotic communities Food science Biodiversity Environmental sciences - Social aspects Ecosystems Food Science Environmental Social Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Agro-biodiversity across the food chain -- 2. Emerging risks to plant health -- 3. Future-proofing Plants against Climate Change- A path to ensure Sustainable Food Systems -- 4. The role of Integrated Pest Management for sustainable food production: The soybean example -- 5. (Alternative approaches to pesticide use): Plant-derived pesticides -- 6. Antimicrobial use in animal food production -- 7. Impacts of environment-friendly unit operations on the functional properties of bee pollen -- 8. Microbiome applications for sustainable food systems -- 9. Healthier and sustainable food systems: integrating underutilized crops in a 'Theory of Change Approach -- 10. Alternative proteins for food and feed.
Sommario/riassunto	In recent decades, practices like the cultivation of a few high-yielding crop varieties on a large scale, the application of heavy machinery and continued mechanization of agriculture, the removal of natural habitats, and the application of pesticides and synthetics have resulted

in the simplification of agro-ecosystems. This has enabled a substantial increase in food production but has at the same time transformed landscapes. Indeed, there is a concern that a decline in biodiversity has affected microbiome activities that support processes across soils, plants, animals, the marine environment, and humans. Although they have increased food production, the above practices cannot be considered sustainable in long-term applications. Biodiversity, Functional Ecosystems, and Sustainable Food Production explore ecosystems in terms of crop and animal production, pest and disease control, nutrient cycling, and soil fertility. Chapters range from agro-biodiversity to antimicrobial use in animal food production to microbiome applications for sustainable food systems and the impacts of environment-friendly unit operations on the functional properties of bee pollen. By examining such topics about each other, the text emphasizes how food production, ecosystem function, food quality, and consumer health are all interconnected.
